Federal Operating Permit
Article 1

This permit is based upon the requirements of Title V of the Federal Clean Air Act and Chapter 80, Article 1 of the Commonwealth of Virginia Regulations for the Control and Abatement of Air Pollution. Until such time as this permit is reopened and revised, modified, revoked, terminated or expires, the permittee is authorized to operate in accordance with the terms and conditions contained herein. This permit is issued under the authority of Title 10.1, Chapter 13, §10.1-1322 of the Air Pollution Control Law of Virginia. This permit is issued consistent with the Administrative Process Act, and 9 VAC 5-80-50 through 9 VAC 5-80-300 of the State Air Pollution Control Board Regulations for the Control and Abatement of Air Pollution of the Commonwealth of Virginia.

Authorization to operate a Stationary Source of Air Pollution as described in this permit is hereby granted to:

Permittee Name:	Mr. Frank McGuire
Facility Name:	Knight-Celotex
Facility Location:	250 Knight-Celotex Way Danville, Virginia
Registration Number:	30330
Permit Number:	SCRO30330

August 12, 2005
Effective Date

August 11, 2010
Expiration Date

Director, Department of Environmental Quality

August 11,2005
Signature Date

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I. Facility Information

Permittee
Knight-Celotex
250 Knight-Celotex Way
Danville, VA 24541

Responsible Official
Frank McGuire
General Manager

Facility
Knight-Celotex
250 Knight-Celotex Way
Danville, VA 24541

Contact Person
Frank McGuire
General Manager
804-797-1321

County-Plant Identification Number: 51-083-00032

Facility Description: NAICS Code: 321219; SIC Code 2493 – The Knight-Celotex manufactures fiberboard panels from reconstituted wood fiber. Primary operations include wood chip receiving and storage, wood chip refining and preparation, wood mat forming, wet press, mat trim and recycle, a board kiln, rough and finish trim saws, a baking oven, a product coating operation, a laminating operation, and process fuel and chemical storage. Also available for use are a hardboard press, two natural gas/propane-fired boilers, one wood waste-fired boiler, and one wood waste/natural gas/propane-fired boiler.

II. Emission Units

Equipment to be operated consists of:

A. Significant Emissions Units

Emission Unit ID	Stack ID	Emission Unit Description	Size/Rated Capacity*	Pollution Control Device (PCD) Description	PCD ID	Pollutant Controlled	Applicable Permit Date
Fuel Burning Equipment							
BH4	EP-BH-4	Boiler No. 1 natural gas/propane boiler Wickes Boiler Co. 1967	45.5 MMBtu/hr	none	n/a	n/a	n/a
BH5	EP-BH-5	Boiler No.2 natural gas/propane boiler Wickes Boiler Co. 1967	45.5 MMBtu/hr	none	n/a	n/a	n/a
BH6	EP-BH-6	Boiler No.3 wood-fired boiler Wickes Boiler Co. 1967	60.0 MMBtu/hr	centrifugal collector - Breslove Separator venturi scrubber - Zurn H/V Venturi	C04 C05	PM PM	n/a
BH7	EP-BH-6	Boiler No.4 wood/natural gas/propane boiler Bigelow Boiler Co. 1974	60.0 MMBtu/hr	centrifugal collector - Breslove Separator venturi scrubber - Zurn H/V Venturi	C04 C05	PM PM	n/a
BM10	EP-BM-10	kiln dryer - Coe 1967 natural gas/propane kiln dryer - wet end burner - North American 1999	43,200 lbs/hr 37 MMBtu/hr	none	n/a	n/a	n/a
BM11	EP-BM-11	kiln dryer - Coe 1967 natural gas/propane kiln dryer - dry end burner - North American 1999	43,200 lbs/hr 37 MMBtu/hr	none	n/a	n/a	n/a

Emission Unit ID	Stack ID	Emission Unit Description	Size/Rated Capacity*	Pollution Control Device (PCD) Description	PCD ID	Pollutant Controlled	Applicable Permit Date
PB1	EP-PB-1, 2, 3	pre-dryer – natural gas/propane Moore-Oregon Mfg. 1967	7.5 MMBtu/hr 43,200 lbs/hr	none	n/a	n/a	n/a
PB7	EP-PB-20 thru 27	bake oven Moore-Oregon Mfg. 1967	8.0 MMBtu/hr 43,200 lbs/hr	none	n/a	n/a	n/a
Process Equipment							
PB2	EP-PB-4	press Adamson-United Mfg. 1967	43,200 lbs/hr	none	n/a	n/a	n/a
PB3	EP-PB-5	board cooler #1 Adamson-United Mfg. 1967	43,200 lbs/hr	none	n/a	n/a	n/a
PB4	EP-PB-6	board cooler #2 Adamson-United Mfg. 1967	43,200 lbs/hr	none	n/a	n/a	n/a
PB5	EP-PB-7	press unloader Adamson-United Mfg. 1967	43,200 lbs/hr	none	n/a	n/a	n/a
PB6	EP-PB-8 thru 19	tempering line – tempering agent roll coating application Adamson-United Mfg. 1967	43,200 lbs/hr	none	n/a	n/a	n/a
PB8	EP-PB-28	humidifier Moore-Oregon Mfg. 1967	43,200 lbs/hr	none	n/a	n/a	n/a

Emission Unit ID	Stack ID	Emission Unit Description	Size/Rated Capacity*	Pollution Control Device (PCD) Description	PCD ID	Pollutant Controlled	Applicable Permit Date
FIN1	EP-FIN-1	double trimmer saw Mereen-Johnson 1967	43,200 lbs/hr	wet scrubber - Emtrol Mod. 39/84W20	C09	PM	n/a
FIN2	EP-FIN-2	woodwaste collection system Fisher-Klosterman 1967	6,400 lbs/hr	cyclones - Fisher-Klosterman	C10	PM	n/a
FIN3	EP-FIN- 3	woodwaste collection system Fisher-Klosterman 1967	6,400 lbs/hr	cyclone - Fisher-Klosterman	C11	PM	n/a
FIN4	EP-FIN-4	specialty sander Brush-A-Lon	35 lbs/hr	fabric bag collector	C12	PM	n/a
FIN5	EP-FIN-5	spray coating operation gas oven Burdette 1967	15,000 lbs/hr 9.4 MMBtu/hr	none	n/a	n/a	n/a
BH1	EP-BH-1	Jacksonville Hog	6,400 lbs/hr	cyclone - Rader Pneumatics	C01	PM	n/a
BH2	EP-BH-2	wood bark fuel bin 1984	40,000 lbs/hr	cyclone - Rader Pneumatics	C02	PM	n/a
BH3	EP-BH-3	wood waste bin 1967	6,400 lbs/hr	cyclone - Fisher-Klosterman	C03	PM	n/a
BM1	EP-BM-1	wood chip silo #1 Link Belt -1967	16,000 lbs/hr	none	n/a	n/a	n/a
BM2	EP-BM-2	wood chip silo #2 Link Belt -1967	16,000 lbs/hr	none	n/a	n/a	n/a
BM3	EP-BM-3	wood chip silo #3 Link Belt -1967	16,000 lbs/hr	none	n/a	n/a	n/a
BM4	EP-BM-4	wood chip silo #4 Link Belt -1974	12,500 lbs/hr	cyclone - Rader Pneumatics	C08	PM	n/a

Emission Unit ID	Stack ID	Emission Unit Description	Size/Rated Capacity*	Pollution Control Device (PCD) Description	PCD ID	Pollutant Controlled	Applicable Permit Date
BM5	EP-BM-5	wood chip digesters #1 Bauer Bros. -1967	24,000 lbs/hr	none	n/a	n/a	n/a
BM6	EP-BM-6	wood chip digesters #2 Bauer Bros. -1967	24,000 lbs/hr	none	n/a	n/a	n/a
BM7	EP-BM-7	defibrator/continuous digester American Defibrator - 1974	12,500 lbs/hr	none	n/a	n/a	n/a
BM8	EP-BM-8	process pit steam vent 1967	12,500 lbs/hr	none	n/a	n/a	n/a
FWY3		bark storage pile	17,940 lbs/hr	none	n/a	n/a	n/a
FWY5		wood chip pile	10,083 lbs/hr	none	n/a	n/a	n/a
FWY6		wood chip pile	10,083 lbs/hr	none	n/a	n/a	n/a
FWY7		wood chip pile	10,083 lbs/hr	none	n/a	n/a	n/a
FWY8		wood chip pile	10,083 lbs/hr	none	n/a	n/a	n/a
FWY9		wood chip pile	10,083 lbs/hr	none	n/a	n/a	n/a
FWY10		wood chip pile	10,083 lbs/hr	none	n/a	n/a	n/a
FBM4		boardmill	60,500 lbs/hr	none	n/a	n/a	n/a
FEF1		wastewater treatment plant	104,570 gal/hr	none	n/a	n/a	n/a

*The Size/Rated capacity is provided for informational purposes only, and is not an applicable requirement.

B. Insignificant Emission Units

The following emission units at the facility are identified in the application as insignificant emission units under 9 VAC 5-80-720:

Emission Unit No.	Emission Unit Description	Citation	Pollutant(s) Emitted (9 VAC 5-80-720 B)	Rated Capacity (9 VAC 5-80-720 C)
BM9	natural gas/propane kiln heater	5-80-720.C	VOC, NOx	2.5 MMBtu/hr
PB9	platen sander	5-80-720.B	PM	0.363 tons/yr
PB10	soybean oil/linseed oil storage tank	5-80-720.B	VOC	30,000 gal. (constructed before 1984)
PB11	tung oil/linseed oil storage tank	5-80-720.B	VOC	30,000 gal. (constructed before 1984)
WY1	used oil storage tank	5-80-720.B	VOC	1,000 gal.
CH1	tung oil/linseed oil tank	5-80-720.B	VOC	30,000 gal (constructed before 1984)
CH2	tung oil/linseed oil tank	5-80-720.B	VOC	30,000 gal (constructed before 1984)
FIN6	tung oil/linseed oil tank day tank #1	5-80-720.B	VOC	6,500 gal
FIN7	tung oil/linseed oil tank day tank #2	5-80-720.B	VOC	6,500 gal
FIN8	2% hydraulic oil storage tank	5-80-720.B	VOC	15,000 gal. (Kb §60.116b applies)
FIN9	2% hydraulic oil storage tank	5-80-720.B	VOC	500 gal
FIN10	acrylic process agent storage tank	5-80-720.B	VOC formaldehyde	7,000 gal.
FIN11	gasoline storage tank	5-80-720.B	VOC, benzene, ethyl benzene, toluene, xylene	4,000 gal
PS1	propane vaporizer	5-80-720.B	VOC, NOx, CO, PM, SO_2	1.8 MMBtu/hr
SB1	shop roll grinder	5-80-720.B	PM	n.a.
FWY1	bark hog	5-80-720.B	PM	n.a.
FWY2	bark screen	5-80-720.B	PM	n.a.
FWY4	chipper	5-80-720.B	PM	n.a.
FWY11	loading hopper	5-80-720.B	PM	n.a.
FWY12	truck unloading	5-80-720.B	PM	n.a.
FWY13	rechipper	5-80-720.B	PM	n.a.
FWY14	shaker screens	5-80-720.B	PM	n.a.

Emission Unit No.	Emission Unit Description	Citation	Pollutant(s) Emitted (9 VAC 5-80-720 B)	Rated Capacity (9 VAC 5-80-720 C)
FWY15	shaker screens	5-80-720.B	PM	n.a.
F2A1	log debarker	5-80-720.B	PM	n.a.
FBM1	chip silo belt conveyor #1	5-80-720.B	PM	n.a.
FBM2	chip silo belt conveyor #2	5-80-720.B	PM	n.a.
FBM3	chip silo belt conveyor #3	5-80-720.B	PM	n.a.
FLF1	landfill	5-80-720.B	VOC	n.a.
FIN12	asphalt storage tank	5-80-720.B	VOC	n.a.

These emission units are presumed to be in compliance with all requirements of the federal Clean Air Act as may apply. Based on this presumption, no monitoring, recordkeeping, or reporting shall be required for these emission units in accordance with 9 VAC 5-80-110.

III. Fuel Burning Equipment Requirements – Wickes natural gas/propane boilers (BH4 & BH5)

A. Limitations

1. The approved fuels for the Wickes boilers (BH4 & BH5) are natural gas and propane. A change in the fuels may require a permit to modify and operate. (9 VAC 5-80-110B)

2. Emissions from the operation of the Wickes boilers (BH4 & BH5) shall not exceed the limits specified below:

   Particulate Matter 2.87 lbs/hr each

   Sulfur Dioxide 120.1 lbs/hr each

   (9 VAC 5-40-900 A.1, 9 VAC 5-40-930 A.1, and 9 VAC 5-80-110)

3. Visible Emissions from each of the Wickes boilers (BH4 & BH5) stacks shall not exceed 20 percent opacity except during one six-minute period in any one hour in which visible emissions shall not exceed 60 percent opacity. (9 VAC 5-40-940 and 9 VAC 5-80-110)

4. Boiler emissions shall be controlled by proper operation and maintenance. Boiler operators shall be trained in the proper operation of all such equipment. Training shall consist of a review and familiarization of the manufacturer's operating

instructions, at minimum.
(9 VAC 5-80-110)

B. Monitoring

At least one time per calendar week, an opacity inspection for the presence of visible emissions from each of the Wickes boiler (BH4 & BH5) stacks (EP-BH-4 & EP-BH-5) shall be made. The presence of visible emissions shall require the permittee to:

1. Take timely corrective action such that the boiler, with visible emissions, resumes operation with no visible emissions, or

2. Conduct a visible emission evaluation (VEE) on the boiler stack, with visible emissions, in accordance with EPA Method 9 (reference 40 CFR 60, Appendix A) for a minimum of six (6) minutes, to assure visible emissions from the stack are 20 percent opacity or less. If any of the observations exceed the opacity limitation of 20 percent, the observation period shall continue until a total of sixty (60) minutes of observation have been completed. Timely corrective action shall be taken, if necessary, such that the boiler resumes operation within the 20 percent opacity limit.

3. If visible emissions inspections conducted during twelve (12) consecutive weeks show no visible emissions for a particular stack, the permittee may reduce the monitoring frequency to once per month for that stack. Anytime the monthly visible emissions inspections show visible emissions, or when requested by DEQ, the monitoring frequency shall be increased to once per week for that stack.

The permittee shall maintain a boiler stack opacity inspection log to demonstrate compliance. The logs shall include the date and time of the observations, whether or not there were visible emissions, the results of all VEEs, any necessary corrective action, and the name of the observer. If the boiler has not been operated for any period during the week, it shall be noted in the log that the unit was not operating, and an observation was not required.
(9 VAC 5-80-110)

C. Recordkeeping

1. The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Director, South Central Regional Office. These records shall include, but are not limited to:

   a. The annual throughput of each fuel (natural gas in cubic feet, propane in gallons) for the Wickes boilers (BH4 & BH5). The annual throughput shall be calculated as the sum of each consecutive twelve (12) month period.

   b. The results of the opacity inspections of the Wickes boiler (BH4 & BH5) stacks, along with any corrective actions.

These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.
(9 VAC 5-40-50 and 9 VAC 5-80-110)

2. The permittee shall maintain records of the required training including a statement of time, place, and nature of training provided. The permittee shall have available good written operating procedures and a maintenance schedule for the boilers. These procedures shall be based on the manufacturer's recommendations, at minimum. All records required by this condition shall be kept on site and made available for inspection by the DEQ.
(9 VAC 5-80-110)

IV. Fuel Burning Equipment Requirements – Wickes wood-fired boiler (BH6) and Bigelow wood/natural gas/propane boiler (BH7)

A. Limitations

1. Particulate emissions from the Wickes wood-fired boiler (BH6) and Bigelow boiler (BH7) shall be controlled by the use of a centrifugal collector (C04) and a venture scrubber (C05).
(9 VAC 5-80-110)

2. The approved fuel for the Wickes wood-fired boiler (BH6) is wood. A change in the fuels may require a permit to modify and operate.
(9 VAC 5-40-20 E and 9 VAC 5-80-110)

3. The approved fuels for the Bigelow boiler (BH7) are wood, natural gas, and propane. A change in the fuels may require a permit to modify and operate.
(9 VAC 5-80-110)

4. Emissions from the operation of the Wickes wood-fired boiler (BH6) and Bigelow boiler (BH7) shall not exceed the limits specified below:

   Particulate Mater 25.83 lbs/hr each

   Sulfur Dioxide 158.4 lbs/hr each

   (9 VAC 5-40-900 A.1, 9 VAC 5-40-930 A.1, and 9 VAC 5-80-110)

5. Visible Emissions from the Wickes wood-fired boiler (BH6) and Bigelow boiler (BH7) stack (EP-BH-6) shall not exceed 20 percent opacity except during one six-minute period in any one hour in which visible emissions shall not exceed 60 percent opacity.
(9 VAC 5-40-80 and 9 VAC 5-80-110)

6. Boiler emissions shall be controlled by proper operation and maintenance. Boiler operators shall be trained in the proper operation of all such equipment. Training shall consist of a review and familiarization of the manufacturer's operating instructions, at minimum.
(9 VAC 5-80-110)

B. Monitoring

At least one time per calendar week an opacity inspection for the presence of visible emissions from the boiler stack (EP-BH-6) shall be made. The presence of visible emissions shall require the permittee to:

1. Take timely corrective action such that the boiler, with visible emissions, resumes operation with no visible emissions, or

2. Conduct a visible emission evaluation (VEE) on the boiler stack, with visible emissions, in accordance with EPA Method 9 (reference 40 CFR 60, Appendix A) for a minimum of six (6) minutes, to assure visible emissions from the stack are 20 percent opacity or less. If any of the observations exceed the opacity limitation of 20 percent, the observation period shall continue until a total of sixty (60) minutes of observation have been completed. Timely corrective action shall be taken, if necessary, such that the boiler resumes operation within the 20 percent opacity limit.

3. If visible emissions inspections conducted during twelve (12) consecutive weeks show no visible emissions for a particular stack, the permittee may reduce the monitoring frequency to once per month for that stack. Anytime the monthly visible emissions inspections show visible emissions, or when requested by DEQ, the monitoring frequency shall be increased to once per week for that stack.

The permittee shall maintain a boiler stack opacity inspection log to demonstrate compliance. The logs shall include the date and time of the observations, whether or not there were visible emissions, the results of all VEEs, any necessary corrective action, and the name of the observer. If the boilers have not been operated for any period during the week, it shall be noted in the log that the unit was not operating, and an observation was not required.
(9 VAC 5-80-110, 40 CFR 64 and 6/10/05 CAM Plan)

C. Stack Testing

One time per five year permit term, if the boiler annual capacity factor exceeds 10 percent when burning wood, the permittee shall conduct a stack test for PM and concurrent visible emission examination (Ref. 40 CFR 60, Appendix A, Method 5 and Method 9) from the Wickes wood-fired boiler (BH6) and the Bigelow boiler (BH7) to demonstrate compliance with the pound per million Btu (heat input) emission limit contained in Condition IV.A.4 of this permit. The initial test shall be performed within 180 days after the effective date of this permit or after the boiler has passed 10 percent annual capacity factor when burning wood, which ever occurs later. The test shall be

conducted and reported and data reduced as set forth in 9 VAC 5-40-30. The details of the tests shall be arranged with the South Central Regional Office. The permittee shall submit a test protocol at least 30 days prior to testing. Two copies of the test results shall be submitted to the South Central Regional Office within 60 days after test completion and shall conform to the test report format enclosed with this permit.
((9 VAC 5-80-110 and 9 VAC 5-40-30)

D. Recordkeeping

1. The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Director, South Central Regional Office. These records shall include, but are not limited to:

   a. The annual throughput of wood (in tons) for the Wickes wood-fired boiler (BH6). The annual throughput shall be calculated as the sum of each consecutive twelve (12) month period.

   b. The annual throughput of each fuel (wood in tons, natural gas in cubic feet, propane in gallons) for the Bigelow boiler (BH7). The annual throughput shall be calculated as the sum of each consecutive twelve (12) month period.

   c. The results of the opacity inspections of the boiler stack (EP-BH-6), along with any corrective actions.

   d. The recordkeeping requirements of the CAM Plan.

   e. Copy of stack test results required by Condition IV.C.

   These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.
   (9 VAC 5-80-110 and 6/10/05 CAM Plan)

2. The permittee shall maintain records of the required training including a statement of time, place and nature of training provided. The permittee shall have available good written operating procedures and a maintenance schedule for the boilers and related air pollution control equipment. These procedures shall be based on the manufacturer's recommendations, at minimum. All records required by this condition shall be kept on site and made available for inspection by the DEQ.
   (9 VAC 5-80-110)

E. Reporting

The permittee shall submit written reports containing the information pertaining to the CAM Plan for the Wickes wood-fired boiler (BH6) and the Bigelow boiler (BH7) to the South Central Regional Office no later than March 1 and September 1 of each calendar year. Each report must be signed by a responsible official, consistent with 9 VAC 5-80-

80 G and shall include the required information as stated in the CAM Plan.
(9 VAC 5-80-110, 40 CFR 64.9 and 6/10/05 CAM Plan)

V. Process Equipment Requirements – Fiberboard Kiln Dryer with Natural Gas burners (BM10 & BM11)

A. Limitations

1. The approved fuels for the kiln dryer burners (BM10 & BM11) are natural gas and propane. A change in the fuels may require a permit to modify and operate.
(9 VAC 5-80-110)

2. Emissions from the operation of the kiln dryer shall not exceed the limits specified below:

   Particulate Matter 32.1 lbs/hr

   Sulfur Dioxide 195.4 lbs/hr

   (9 VAC 5-40-260, 9 VAC 5-40-280, and 9 VAC 5-80-110)

3. Visible emissions from the kiln dryer stacks (EP-BM-10 & EP-BM-11) shall not exceed 20 percent opacity except during one six-minute period in any one hour in which visible emissions shall not exceed 60 percent opacity.
(9 VAC 5-40-80 and 9 VAC 5-80-110)

B. Monitoring

At least one time per calendar week an opacity inspection for the presence of visible emissions from each of the kiln dryer stacks (EP-BM-10 & EP-BM-11) shall be made. The presence of visible emissions shall require the permittee to:

1. Take timely corrective action such that the kiln dryer stacks (EP-BM-10 & EP-BM-11), with visible emissions, resumes operation with no visible emissions, or

2. Conduct a visible emission evaluation (VEE) on the kiln dryer stack, with visible emissions, in accordance with EPA Method 9 (reference 40 CFR 60, Appendix A) for a minimum of six (6) minutes, to assure visible emissions from the stack are 20 percent opacity or less. If any of the observations exceed the opacity limitation of 20 percent, the observation period shall continue until a total of sixty (60) minutes of observation have been completed. Timely corrective action shall be taken, if necessary, such that the kiln dryer resumes operation within the 20 percent opacity limit.

3. If visible emissions inspections conducted during twelve (12) consecutive weeks show no visible emissions for a particular stack, the permittee may reduce the monitoring frequency to once per month for that stack. Anytime the monthly visible

emissions inspections show visible emissions, or when requested by DEQ, the monitoring frequency shall be increased to once per week for that stack.

The permittee shall maintain a kiln dryer stack opacity inspection log to demonstrate compliance. The logs shall include the date and time of the observations, whether or not there were visible emissions, the results of all VEEs, any necessary corrective action, and the name of the observer. If the kiln has not been operated for any period during the week, it shall be noted in the log that the unit was not operating, and an observation was not required.
(9 VAC 5-80-110)

C. Recordkeeping

The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Director, South Central Regional Office. These records shall include, but are not limited to:

1. The results of the weekly opacity observation of the kiln dryer stacks (EP-BM-10 & EP-BM-11), along with any corrective actions.

2. The annual throughput of product (in tons) through the kiln dryer, calculated monthly as the sum of each consecutive 12-month period.

3. The annual usage of each fuel (natural gas in cubic feet, propane in gallons) in the kiln dryer burners (BM10 & BM11), calculated monthly as the sum of each consecutive 12-month period.

These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.
(9 VAC 5-80-110)

VI. Process Equipment Requirements – Fiberboard Pre-Dryer (PB1), Press (PB2), Coolers (PB3 & PB4), Press Unloader, (PB5) Tempering Line (PB6), Bake Oven (PB7), and Humidifier (PB8)

A. Limitations

1. Emissions from the operation of the fiberboard processes (PB1 thru PB8) shall not exceed the limits specified below:

   Particulate Matter 32.1 lbs/hr for each process

   (9 VAC 5-40-260 and 9 VAC 5-80-110)

2. Visible emissions from the fiberboard processes (PB1 thru PB8) stacks (EP-PB-1 thru EP-PB-28) shall not exceed 20 percent opacity except during one six-minute period in

any one hour in which visible emissions shall not exceed 60 percent opacity.
(9 VAC 5-40-80 and 9 VAC 5-80-110)

B. Monitoring

At least one time per calendar week an opacity inspection for the presence of visible emissions from each of the fiberboard processes (PB1 thru PB8) stacks (EP-PB-1 thru EP-PB-28) shall be made. The presence of visible emissions shall require the permittee to:

1. Take timely corrective action such that the fiberboard processes (PB1 thru PB8) stacks (EP-PB-1 thru EP-PB-28), with visible emissions, resumes operation with no visible emissions, or

2. For fiberboard processes PB1 and PB5 through PB8, conduct a visible emission evaluation (VEE) on the fiberboard process stack, with visible emissions, in accordance with EPA Method 9 (reference 40 CFR 60, Appendix A) for a minimum of six (6) minutes, to assure visible emissions from the stack are 20 percent opacity or less. If any of the observations exceed the opacity limitation of 20 percent, the observation period shall continue until a total of sixty (60) minutes of observation have been completed. Timely corrective action shall be taken, if necessary, such that the fiberboard process resumes operation within the 20 percent opacity limit.

3. For fiberboard processes PB2 through PB4, conduct a visible emission evaluation (VEE) on the fiberboard process stack, with visible emissions, in accordance with EPA Method 9 (reference 40 CFR 60, Appendix A) for a minimum of six (6) minutes, to assure visible emissions from the stack are 20 percent opacity or less. The VEE shall be recorded as a six-minute average for each stack. If the six-minute average is greater than 20 percent opacity, timely corrective action shall be taken such that the fiberboard process resumes operation within the 20 percent opacity limit.

4. If visible emissions inspections conducted during twelve (12) consecutive weeks show no visible emissions for a particular stack, the permittee may reduce the monitoring frequency to once per month for that stack. Anytime the monthly visible emissions inspections show visible emissions, or when requested by DEQ, the monitoring frequency shall be increased to once per week for that stack.

The permittee shall maintain a fiberboard process stack opacity inspection log to demonstrate compliance. The logs shall include the date and time of the observations, whether or not there were visible emissions, the results of all VEEs, any necessary corrective action, and the name of the observer. If the fiberboard process has not been operated for any period during the week, it shall be noted in the log that the unit was not operating, and an observation was not required.
(9 VAC 5-80-110)

C. Recordkeeping

The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Director, South Central Regional Office. These records shall include, but are not limited to:

1. The results of the weekly opacity observation of the fiberboard processes (PB1 thru PB8) stacks (EP-PB-1 thru EP-PB-28), along with any corrective actions.

2. The annual throughput of product (in tons) through each of the fiberboard processes (PB1 thru PB8), calculated monthly as the sum of each consecutive 12-month period.

3. The annual usage of each fuel (natural gas in cubic feet, propane in gallons) in the fiberboard processes (PB1 thru PB8), calculated monthly as the sum of each consecutive 12-month period.

   These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.
   (9 VAC 5-40-50 and 9 VAC 5-80-110)

VII. Process Equipment Requirements – Double Trimmer Saw (FIN1)

A. Limitations

1. Particulate emissions from the double trimmer saw (FIN1) shall be controlled by a wet scrubber (C09). The wet scrubber shall be provided with adequate access for inspection.
   (9 VAC 5-40-20.E and 9 VAC 5-80-110)

2. Emissions from the operation of the double trimmer saw (FIN1) shall not exceed the limits specified below:

   Particulate Matter 0.05 grains per standard cubic feet of exhaust gas

   (9 VAC 5-40-2270 and 9 VAC 5-80-110)

3. Visible emissions from the double trimmer saw (FIN1) scrubber stack (EP-FIN-1) shall not exceed 20 percent opacity except during one six-minute period in any one hour in which visible emissions shall not exceed 60 percent opacity.
   (9 VAC 5-40-80 and 9 VAC 5-80-110)

B. Monitoring

At least one time per calendar week an opacity inspection for the presence of visible emissions from the double trimmer saw (FIN1) scrubber stack (EP-FIN-1) shall be made. The presence of visible emissions shall require the permittee to:

1. Take timely corrective action such that the double trimmer saw (FIN1) scrubber stack (EP-FIN-1) resumes operation with no visible emissions, or

2. Conduct a visible emission evaluation (VEE) on the double trimmer saw (FIN1) scrubber stack (EP-FIN-1) in accordance with EPA Method 9 (reference 40 CFR 60, Appendix A) for a minimum of six (6) minutes, to assure visible emissions from the stack are 20 percent opacity or less. If any of the observations exceed the opacity limitation of 20 percent, the observation period shall continue until a total of sixty (60) minutes of observation have been completed. Timely corrective action shall be taken, if necessary, such that the double trimmer saw resumes operation within the 20 percent opacity limit.

3. If visible emissions inspections conducted during twelve (12) consecutive weeks show no visible emissions for a particular stack, the permittee may reduce the monitoring frequency to once per month for that stack. Anytime the monthly visible emissions inspections show visible emissions, or when requested by DEQ, the monitoring frequency shall be increased to once per week for that stack.

The permittee shall maintain a double trimmer saw stack opacity inspection log to demonstrate compliance. The logs shall include the date and time of the observations, whether or not there were visible emissions, the results of all VEEs, any necessary corrective action, and the name of the observer. If the double trimmer saw has not been operated for any period during the week, it shall be noted in the log that the unit was not operating, and an observation was not required.
(9 VAC 5-80-110, 40 CFR 64 and 6/10/05 CAM Plan)

C. Recordkeeping

The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Director, South Central Regional Office. These records shall include, but are not limited to:

1. The results of the weekly opacity inspection of the scrubber stack (EP-FIN-1), along with any corrective actions.

2. The annual throughput of wood product (in tons) through the double trimmer saw (FIN1) calculated monthly as the sum of each consecutive 12-month period.

3. The recordkeeping requirements of the CAM Plan.

   These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.
   (9 VAC 5-40-50, 9 VAC 5-80-110, and 6/10/05 CAM Plan)

D. Reporting

The permittee shall submit written reports containing the information pertaining to the CAM Plan for the double trimmer saw (FIN1) to the South Central Regional Office no later than March 1 and September 1 of each calendar year. Each report must be signed by a responsible official, consistent with 9 VAC 5-80-80 G and shall include the required information as stated in the CAM Plan.
(9 VAC 5-80-110, 40 CFR 64.9 and 6/10/05 CAM Plan)

VIII. Process Equipment Requirements – Woodwaste Collection Systems (FIN2 & FIN3)

A. Limitations

1. Particulate emissions from the woodwaste collection systems (FIN2 & FIN3) shall each be controlled by a cyclone (C10 & C11). The cyclones shall be provided with adequate access for inspection.
(9 VAC 5-80-110)

2. Emissions from the operation of the woodwaste collection systems (FIN2 & FIN3) shall not exceed the limits specified below:

   Particulate Matter 0.05 grains per standard cubic foot of exhaust gas each

   (9 VAC 5-40-2270 and 9 VAC 5-80-110)

3. Visible emissions from the woodwaste collection systems (FIN2 & FIN3) stacks (EP-FIN-2 & EP-FIN-3) shall not exceed 20 percent opacity except during one six-minute period in any one hour in which visible emissions shall not exceed 60 percent opacity.
(9 VAC 5-40-80 and 9 VAC 5-80-110)

B. Monitoring

1. At least one time per calendar week an opacity inspection for the presence of visible emissions from the woodwaste collection systems (FIN2 & FIN3) stacks (EP-FIN-2 & EP-FIN-3) shall be made. The presence of visible emissions shall require the permittee to:

   a. Take timely corrective action such that the woodwaste collection systems (FIN2 & FIN3) stack, with visible emissions, resumes operation with no visible emissions, or

   b. Conduct a visible emission evaluation (VEE) on the woodwaste collection systems (FIN2 & FIN3) stack, with visible emissions, in accordance with EPA Method 9 (reference 40 CFR 60, Appendix A) for a minimum of six (6) minutes, to assure visible emissions from the stack are 20 percent opacity or less. If any of the observations exceed the opacity limitation of 20 percent, the observation period shall continue until a total of sixty (60) minutes of observation have been

completed. Timely corrective action shall be taken, if necessary, such that the woodwaste collection system resumes operation within the 20 percent opacity limit.

c. If visible emissions inspections conducted during twelve (12) consecutive weeks show no visible emissions for a particular stack, the permittee may reduce the monitoring frequency to once per month for that stack. Anytime the monthly visible emissions inspections show visible emissions, or when requested by DEQ, the monitoring frequency shall be increased to once per week for that stack.

The permittee shall maintain a woodwaste collection systems stack opacity inspection log to demonstrate compliance. The logs shall include the date and time of the observations, whether or not there were visible emissions, the results of all VEEs, any necessary corrective action, and the name of the observer. If the woodwaste collection systems have not been operated for any period during the week, it shall be noted in the log that the unit was not operating, and an observation was not required. (9 VAC 5-80-110 and 6/10/05 CAM Plan)

C. Recordkeeping

The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Director, South Central Regional Office. These records shall include, but are not limited to:

1. The results of the weekly opacity inspection of the woodwaste collection systems stacks (EP-FIN-2 & EP-FIN-3), along with any corrective actions.

2. The annual throughput of woodwaste product (in tons) through the woodwaste collection systems (FIN2 & FIN3) calculated monthly as the sum of each consecutive 12-month period.

3. The recordkeeping requirements of the CAM Plan.

These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.
(9 VAC 5-40-50,.9 VAC 5-80-110 and 6/10/05 CAM Plan)

D. Reporting

The permittee shall submit written reports containing the information pertaining to the CAM Plan for the woodwaste collection systems (FIN2 & FIN3) to the South Central Regional Office no later than March 1 and September 1 of each calendar year. Each report must be signed by a responsible official, consistent with 9 VAC 5-80-80 G and shall include the required information as stated in the CAM Plan.
(9 VAC 5-80-110, 40 CFR 64.9 and 6/10/05 CAM Plan)

IX. Process Equipment Requirements – Specialty Sander (FIN4)

A. Limitations

1. Particulate emissions from the specialty sander (FIN4) shall each be controlled by a fabric filter (C12). The fabric filter shall be provided with adequate access for inspection.
(9 VAC 5-80-110)

2. Emissions from the operation of the specialty sander (FIN4) shall not exceed the limits specified below:

   Particulate Matter 0.05 grains per standard cubic foot of exhaust gas

   (9 VAC 5-40-2270 and 9 VAC 5-80-110)

3. Visible emissions from the specialty sander (FIN4) stack (EP-FIN-4) shall not exceed 20 percent opacity except during one six-minute period in any one hour in which visible emissions shall not exceed 60 percent opacity.
(9 VAC 5-40-80 and 9 VAC 5-80-110)

B. Monitoring

At least one time per calendar week an opacity inspection for the presence of visible emissions from the specialty sander (FIN4) stack (EP-FIN-4) shall be made. The presence of visible emissions shall require the permittee to:

1. Take timely corrective action such that the specialty sander (FIN4) stack resumes operation with no visible emissions, or

2. Conduct a visible emission evaluation (VEE) on the specialty sander (FIN4) stack, in accordance with EPA Method 9 (reference 40 CFR 60, Appendix A) for a minimum of six (6) minutes, to assure visible emissions from the stack are 20 percent opacity or less. If any of the observations exceed the opacity limitation of 20 percent, the observation period shall continue until a total of sixty (60) minutes of observation have been completed. Timely corrective action shall be taken, if necessary, such that the specialty sander resumes operation within the 20 percent opacity limit.

3. If visible emissions inspections conducted during twelve (12) consecutive weeks show no visible emissions for a particular stack, the permittee may reduce the monitoring frequency to once per month for that stack. Anytime the monthly visible emissions inspections show visible emissions, or when requested by DEQ, the monitoring frequency shall be increased to once per week for that stack.

The permittee shall maintain a specialty sander stack opacity inspection log to demonstrate compliance. The logs shall include the date and time of the observations, whether or not there were visible emissions, the results of all VEEs, any necessary

corrective action, and the name of the observer. If the specialty sander has not been operated for any period during the week, it shall be noted in the log that the unit was not operating, and an observation was not required.
(9 VAC 5-80-110)

C. Recordkeeping

The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Director, South Central Regional Office. These records shall include, but are not limited to:

1. The results of the weekly opacity observation of the specialty sander (FIN4) stack, along with any corrective actions.

2. The annual throughput of woodwaste product (in tons) through the specialty sander (FIN4) calculated monthly as the sum of each consecutive 12-month period.

   These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.
   (9 VAC 5-40-50 and 9 VAC 5-80-110)

X. Process Equipment Requirements –Burdette Gas Oven (FIN5) for coating operation

A. Limitations

1. Emissions from the operation of the Burdette gas oven (FIN5) shall not exceed the limits specified below:

   Particulate Matter 15.8 lbs/hr

   (9 VAC 5-40-260 and 9 VAC 5-80-110)

2. Visible emissions from the Burdette gas oven (FIN5) stack (EP-FIN-5) shall not exceed 20 percent opacity except during one six-minute period in any one hour in which visible emissions shall not exceed 60 percent opacity.
   (9 VAC 5-40-80 and 9 VAC 5-80-110)

B. Monitoring

At least one time per calendar week an opacity inspection for the presence of visible emissions from the Burdette gas oven (FIN5) stack (EP-FIN-5) shall be made. The presence of visible emissions shall require the permittee to:

1. Take timely corrective action such that the Burdette gas oven (FIN5) stack resumes operation with no visible emissions, or

2. Conduct a visible emission evaluation (VEE) on the Burdette gas oven (FIN5) stack, in accordance with EPA Method 9 (reference 40 CFR 60, Appendix A) for a minimum of six (6) minutes, to assure visible emissions from the stack are 20 percent opacity or less. If any of the observations exceed the opacity limitation of 20 percent, the observation period shall continue until a total of sixty (60) minutes of observation have been completed. Timely corrective action shall be taken, if necessary, such that the specialty sander resumes operation within the 20 percent opacity limit.

3. If visible emissions inspections conducted during twelve (12) consecutive weeks show no visible emissions for a particular stack, the permittee may reduce the monitoring frequency to once per month for that stack. Anytime the monthly visible emissions inspections show visible emissions, or when requested by DEQ, the monitoring frequency shall be increased to once per week for that stack.

The permittee shall maintain a Burdette gas oven stack opacity inspection log to demonstrate compliance. The logs shall include the date and time of the observations, whether or not there were visible emissions, the results of all VEEs, any necessary corrective action, and the name of the observer. If the Burdette gas oven has not been operated for any period during the week, it shall be noted in the log that the unit was not operating, and an observation was not required.
(9 VAC 5-80-110)

C. Recordkeeping

The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Director, South Central Regional Office. These records shall include, but are not limited to:

1. The results of the weekly opacity observation of the Burdette gas oven (FIN5) stack, along with any corrective actions.

2. Annual consumption of finishing material/coatings/thinners/cleaning solvents (in gallons), calculated monthly as the sum of each consecutive 12 month period.

3. Material Safety Data Sheets (MSDS) or other vendor information showing VOC content, toxic compound or HAP content, water content, and solids content for each finishing material/coatings/thinners/cleaning solvents used.

   These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.
   (9 VAC 5-40-50, 9 VAC 5-80-110)

XI. Facility **Wide** Conditions for Hazardous Air Pollutant Emissions

Unless the permittee obtains federally enforceable limits on its facility-wide emissions of hazardous air pollutants (HAPs) to below major-source thresholds prior to the specified

date, the following federal requirements, derived from 40 CFR Part 63, will apply. For each standard, "requirements" include all control, operational, work practice, monitoring, recordkeeping, reporting, and testing requirements, as applicable.

A. National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boiler and Process Heaters (40 CFR Part 63 Subpart DDDDD)

Except where this permit is more restrictive, on September 13, 2007, the two Wickes natural gas/propane boilers (BH4 & BH5), the Wickes wood-fired boiler (BH6) and the Bigelow wood/natural gas/propane boiler (BH7) shall comply with the requirements of 40 CFR Part 63 Subpart DDDDD, including, but not limited to, the applicable requirements for emission standards, operational standards, work practice standards, monitoring, testing, recordkeeping, and reporting.
(9 VAC 5-60-90, 9 VAC 5-60-100, 9 VAC 5-80-110 and 40 CFR 63 Subpart DDDDD)

B. National Emission Standards for Hazardous Air Pollutants: Plywood and Composite Wood Products (40 CFR Part 63 Subpart DDDD)

Except where this permit is more restrictive, on October 1, 2007, the fiberboard manufacturing operations shall comply with the requirements of 40 CFR Part 63 Subpart DDDD, including, but not limited to, the applicable requirements for emission standards, operational standards, work practice standards, monitoring, testing, recordkeeping, and reporting.
(9 VAC 5-60-90, 9 VAC 5-60-100, 9 VAC 5-80-110 and 40 CFR 63 Subpart DDDD)

XII. Permit Shield & Inapplicable Requirements

Compliance with the provisions of this permit shall be deemed compliance with all applicable requirements in effect as of the permit issuance date as identified in this permit. This permit shield covers only those applicable requirements covered by terms and conditions in this permit and the following requirements which have been specifically identified as being not applicable to this permitted facility:

Citation	Title of Citation	Description of Applicability

Nothing in this permit shield shall alter the provisions of §303 of the federal Clean Air Act, including the authority of the administrator under that section, the liability of the owner for any violation of applicable requirements prior to or at the time of permit issuance, or the ability to obtain information by the administrator pursuant to §114 of the federal Clean Air Act, (ii) the Board pursuant to §10.1-1314 or §10.1-1315 of the Virginia Air Pollution Control Law or (iii) the Department pursuant to §10.1-1307.3 of the Virginia Air Pollution Control Law.
(9 VAC 5-80-140)

XIII. General Conditions

A. Federal Enforceability

All terms and conditions in this permit are enforceable by the administrator and citizens under the federal Clean Air Act, except those that have been designated as only state-enforceable.

(9 VAC 5-80-110 N)

B. Permit Expiration

This permit has a fixed term of five years. The expiration date shall be the date five years from the date of issuance. Unless the owner submits a timely and complete application for renewal to the Department consistent with the requirements of 9 VAC 5-80-80, the right of the facility to operate shall be terminated upon permit expiration.

1. The owner shall submit an application for renewal at least six months but no earlier than eighteen months prior to the date of permit expiration.

2. If an applicant submits a timely and complete application for an initial permit or renewal under this section, the failure of the source to have a permit or the operation of the source without a permit shall not be a violation of Article 1, Part II of 9 VAC 5 Chapter 80, until the Board takes final action on the application under 9 VAC 5-80-150.

3. No source shall operate after the time that it is required to submit a timely and complete application under subsections C and D of 9 VAC 5-80-80 for a renewal permit, except in compliance with a permit issued under Article 1, Part II of 9 VAC 5 Chapter 80.

4. If an applicant submits a timely and complete application under section 9 VAC 5-80-80 for a permit renewal but the Board fails to issue or deny the renewal permit before the end of the term of the previous permit, (i) the previous permit shall not expire until the renewal permit has been issued or denied and (ii) all the terms and conditions of the previous permit, including any permit shield granted pursuant to 9 VAC 5-80-140, shall remain in effect from the date the application is determined to be complete until the renewal permit is issued or denied.

5. The protection under subsections F 1 and F 5 (ii) of section 9 VAC 5-80-80 F shall cease to apply if, subsequent to the completeness determination made pursuant section 9 VAC 5-80-80 D, the applicant fails to submit by the deadline specified in writing by the Board any additional information identified as being needed to process the application.

(9 VAC 5-80-80 B, C and F, 9 VAC 5-80-110 D and 9 VAC 5-80-170 B)

C. Recordkeeping and Reporting

1. All records of monitoring information maintained to demonstrate compliance with the terms and conditions of this permit shall contain, where applicable, the following:

a. The date, place as defined in the permit, and time of sampling or measurements.

b. The date(s) analyses were performed.

c. The company or entity that performed the analyses.

d. The analytical techniques or methods used.

e. The results of such analyses.

f. The operating conditions existing at the time of sampling or measurement.

(9 VAC 5-80-110 F)

2. Records of all monitoring data and support information shall be retained for at least five years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.
(9 VAC 5-80-110 F)

3. The permittee shall submit the results of monitoring contained in any applicable requirement to DEQ no later than **March 1** and **September 1** of each calendar year. This report must be signed by a responsible official, consistent with 9 VAC 5-80-80 G, and shall include:

a. The time period included in the report. The time periods to be addressed are January 1 to June 30 and July 1 to December 31.

b. All deviations from permit requirements. For purposes of this permit, deviations include, but are not limited to:

(1) Exceedance of emissions limitations or operational restrictions;

(2) Excursions from control device operating parameter requirements, as documented by continuous emission monitoring, periodic monitoring, or compliance assurance monitoring which indicates an exceedance of emission limitations or operational restrictions; or,

(3) Failure to meet monitoring, recordkeeping, or reporting requirements contained in this permit.

c. If there were no deviations from permit conditions during the time period, the permittee shall include a statement in the report that "no deviations from permit requirements occurred during this semi-annual reporting period."

(9 VAC 5-80-110 F)

D. Annual Compliance Certification

Exclusive of any reporting required to assure compliance with the terms and conditions of this permit or as part of a schedule of compliance contained in this permit, the permittee shall submit to EPA and DEQ no later than **March 1** each calendar year a certification of compliance with all terms and conditions of this permit including emission limitation standards or work practices. The compliance certification shall comply with such additional requirements that may be specified pursuant to §114(a)(3) and §504(b) of the federal Clean Air Act. This certification shall be signed by a responsible official, consistent with 9 VAC 5-80-80 G, and shall include:

1. The time period included in the certification. The time period to be addressed is January 1 to December 31.

2. The identification of each term or condition of the permit that is the basis of the certification.

3. The compliance status.

4. Whether compliance was continuous or intermittent, and if not continuous, documentation of each incident of non-compliance.

5. Consistent with subsection 9 VAC 5-80-110 E, the method or methods used for determining the compliance status of the source at the time of certification and over the reporting period.

6. Such other facts as the permit may require to determine the compliance status of the source.

One copy of the annual compliance certification shall be sent to EPA at the following address:

Clean Air Act Title V Compliance Certification (3AP00)
U. S. Environmental Protection Agency, Region III
1650 Arch Street
Philadelphia, PA 19103-2029.

(9 VAC 5-80-110 K.5)

E. Permit Deviation Reporting

The permittee shall notify the Director, South Central Regional Office within four daytime business hours after discovery of any deviations from permit requirements which may cause excess emissions for more than one hour, including those attributable to upset conditions as may be defined in this permit. In addition, within 14 days of the discovery, the permittee shall provide a written statement explaining the problem, any corrective actions or preventative measures taken, and the estimated duration of the permit

deviation. The occurrence should also be reported in the next semi-annual compliance monitoring report pursuant to General Condition XIII.C.3 of this permit.
(9 VAC 5-80-110 F.2 and 9 VAC 5-80-250)

F. Failure/Malfunction Reporting

In the event that any affected facility or related air pollution control equipment fails or malfunctions in such a manner that may cause excess emissions for more than one hour, the owner shall, as soon as practicable but no later than four daytime business hours after the malfunction is discovered, notify the Director, South Central Regional Office by facsimile transmission, telephone or telegraph of such failure or malfunction and shall within 14 days of discovery provide a written statement giving all pertinent facts, including the estimated duration of the breakdown. Owners subject to the requirements of 9 VAC 5-40-50 C and 9 VAC 5-50-50 C are not required to provide the written statement prescribed in this paragraph for facilities subject to the monitoring requirements of 9 VAC 5-40-40 and 9 VAC 5-50-40. When the condition causing the failure or malfunction has been corrected and the equipment is again in operation, the owner shall notify the Director, South Central Regional Office.
(9 VAC 5-20-180 C

G. Severability

The terms of this permit are severable. If any condition, requirement or portion of the permit is held invalid or inapplicable under any circumstance, such invalidity or inapplicability shall not affect or impair the remaining conditions, requirements, or portions of the permit.
(9 VAC 5-80-110 G.1)

H. Duty to Comply

The permittee shall comply with all terms and conditions of this permit. Any permit noncompliance constitutes a violation of the federal Clean Air Act or the Virginia Air Pollution Control Law or both and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or, for denial of a permit renewal application.
(9 VAC 5-80-110 G.2)

I. Need to Halt or Reduce Activity not a Defense

It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.
(9 VAC 5-80-110 G.3)

J. Permit Modification

A physical change in, or change in the method of operation of, this stationary source may be subject to permitting under State Regulations 9 VAC 5-80-50, 9 VAC 5-80-1100, 9 VAC 5-80-1790, or 9 VAC 5-80-2000 and may require a permit modification and/or revisions except as may be authorized in any approved alternative operating scenarios.
(9 VAC 5-80-190 and 9 VAC 5-80-260)

K. Property Rights

The permit does not convey any property rights of any sort, or any exclusive privilege. (9 VAC 5-80-110 G.5)

L. Duty to Submit Information

1. The permittee shall furnish to the Board, within a reasonable time, any information that the Board may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the Board copies of records required to be kept by the permit and, for information claimed to be confidential, the permittee shall furnish such records to the Board along with a claim of confidentiality.
   (9 VAC 5-80-110 G.6)

2. Any document (including reports) required in a permit condition to be submitted to the Board shall contain a certification by a responsible official that meets the requirements of 9 VAC 5-80-80 G.
   (9 VAC 5-80-110 K.1)

M. Duty to Pay Permit Fees

The owner of any source for which a permit under 9 VAC 5-80-50 through 9 VAC 5-80-300 was issued shall pay permit fees consistent with the requirements of 9 VAC 5-80-310 through 9 VAC 5-80-350. The actual emissions covered by the permit program fees for the preceding year shall be calculated by the owner and submitted to the Department by **April 15** of each year. The calculations and final amount of emissions are subject to verification and final determination by the Department.
(9 VAC 5-80-110 H and 9 VAC 5-80-340 C)

N. Fugitive Dust Emission Standards

During the operation of a stationary source or any other building, structure, facility, or installation, no owner or other person shall cause or permit any materials or property to be handled, transported, stored, used, constructed, altered, repaired, or demolished without taking reasonable precautions to prevent particulate matter from becoming airborne. Such reasonable precautions may include, but are not limited to, the following:

1. Use, where possible, of water or chemicals for control of dust in the demolition of existing buildings or structures, construction operations, the grading of roads, or the clearing of land;

2. Application of asphalt, water, or suitable chemicals on dirt roads, materials stockpiles, and other surfaces which may create airborne dust; the paving of roadways and the maintaining of them in a clean condition;

3. Installation and use of hoods, fans, and fabric filters to enclose and vent the handling of dusty material. Adequate containment methods shall be employed during sandblasting or other similar operations;

4. Open equipment for conveying or transporting material likely to create objectionable air pollution when airborne shall be covered or treated in an equally effective manner at all times when in motion; and,

5. The prompt removal of spilled or tracked dirt or other materials from paved streets and of dried sediments resulting from soil erosion.

([9 VAC 5-40-90] and [9 VAC 5-50-90])

O. Startup, Shutdown, and Malfunction

At all times, including periods of startup, shutdown, soot blowing, and malfunction, owners shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with air pollution control practices for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Board, which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.
([9 VAC 5-50-20 E] and [9 VAC 5-40-20 E])

P. Alternative Operating Scenarios

Contemporaneously with making a change between reasonably anticipated operating scenarios identified in this permit, the permittee shall record in a log at the permitted facility a record of the scenario under which it is operating. The permit shield described in 9 VAC 5-80-140 shall extend to all terms and conditions under each such operating scenario. The terms and conditions of each such alternative scenario shall meet all applicable requirements including the requirements of 9 VAC 5 Chapter 80, Article 1.
(9 VAC 5-80-110 J)

Q. Inspection and Entry Requirements

The permittee shall allow DEQ, upon presentation of credentials and other documents as may be required by law, to perform the following:

1. Enter upon the premises where the source is located or emissions-related activity is conducted, or where records must be kept under the terms and conditions of the permit.

2. Have access to and copy, at reasonable times, any records that must be kept under the terms and conditions of the permit.

3. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit.

4. Sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

(9 VAC 5-80-110 K.2)

R. Reopening For Cause

The permit shall be reopened by the Board if additional federal requirements become applicable to a major source with a remaining permit term of three years or more. Such reopening shall be completed no later than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions has been extended pursuant to 9 VAC 5-80-80 F.

1. The permit shall be reopened if the Board or the administrator determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.

2. The permit shall be reopened if the administrator or the Board determines that the permit must be revised or revoked to assure compliance with the applicable requirements.

3. The permit shall not be reopened by the Board if additional applicable state requirements become applicable to a major source prior to the expiration date established under 9 VAC 5-80-110 D.

(9 VAC 5-80-110 L)

S. Permit Availability

Within five days after receipt of the issued permit, the permittee shall maintain the permit on the premises for which the permit has been issued and shall make the permit immediately available to DEQ upon request.
(9 VAC 5-80-150 E)

T. Transfer of Permits

1. No person shall transfer a permit from one location to another, unless authorized under 9 VAC 5-80-130, or from one piece of equipment to another.
(9 VAC 5-80-160)

2. In the case of a transfer of ownership of a stationary source, the new owner shall comply with any current permit issued to the previous owner. The new owner shall notify the Board of the change in ownership within 30 days of the transfer and shall comply with the requirements of 9 VAC 5-80-200.
(9 VAC 5-80-160)

3. In the case of a name change of a stationary source, the owner shall comply with any current permit issued under the previous source name. The owner shall notify the Board of the change in source name within 30 days of the name change and shall

comply with the requirements of 9 VAC 5-80-200.
(9 VAC 5-80-160)

U. Malfunction as an Affirmative Defense

1. A malfunction constitutes an affirmative defense to an action brought for noncompliance with technology-based emission limitations if the requirements of paragraph 2 of this condition are met.

2. The affirmative defense of malfunction shall be demonstrated by the permittee through properly signed, contemporaneous operating logs, or other relevant evidence that show the following:

   a. A malfunction occurred and the permittee can identify the cause or causes of the malfunction.

   b. The permitted facility was at the time being properly operated.

   c. During the period of the malfunction the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit.

   d. The permittee notified the board of the malfunction within two working days following the time when the emission limitations were exceeded due to the malfunction. This notification shall include a description of the malfunction, any steps taken to mitigate emissions, and corrective actions taken. The notification may be delivered either orally or in writing. The notification may be delivered by electronic mail, facsimile transmission, telephone, or any other method that allows the permittee to comply with the deadline. This notification fulfills the requirements of 9 VAC 5-80-110 F 2 b to report promptly deviations from permit requirements. This notification does not release the permittee from the malfunction reporting requirement under 9 VAC 5-20-180 C.

3. In any enforcement proceeding, the permittee seeking to establish the occurrence of a malfunction shall have the burden of proof.

4. The provisions of this section are in addition to any malfunction, emergency or upset provision contained in any applicable requirement.

(9 VAC 5-80-250)

V. Permit Revocation or Termination for Cause

A permit may be revoked or terminated prior to its expiration date if the owner knowingly makes material misstatements in the permit application or any amendments thereto or if the permittee violates, fails, neglects or refuses to comply with the terms or conditions of the permit, any applicable requirements, or the applicable provisions of 9 VAC 5 Chapter 80 Article 1. The Board may suspend, under such conditions and for

such period of time as the Board may prescribe any permit for any of the grounds for revocation or termination or for any other violations of these regulations.
(9 VAC 5-80-190 C and 9 VAC 5-80-260)

W. Duty to Supplement or Correct Application

Any applicant who fails to submit any relevant facts or who has submitted incorrect information in a permit application shall, upon becoming aware of such failure or incorrect submittal, promptly submit such supplementary facts or corrections. An applicant shall also provide additional information as necessary to address any requirements that become applicable to the source after the date a complete application was filed but prior to release of a draft permit.
(9 VAC 5-80-80 E)

X. Stratospheric Ozone Protection

If the permittee handles or emits one or more Class I or II substances subject to a standard promulgated under or established by Title VI (Stratospheric Ozone Protection) of the federal Clean Air Act, the permittee shall comply with all applicable sections of 40 CFR Part 82, Subparts A to F.
(40 CFR Part 82, Subparts A-F)

Y. Asbestos Requirements

The permittee shall comply with the requirements of National Emissions Standards for Hazardous Air Pollutants (40 CFR 61) Subpart M, National Emission Standards for Asbestos as it applies to the following: Standards for Demolition and Renovation (40 CFR 61.145), Standards for Insulating Materials (40 CFR 61.148), and Standards for Waste Disposal (40 CFR 61.150).
(9 VAC 5-60-70 and 9 VAC 5-80-110 A.1)

Z. Accidental Release Prevention

If the permittee has more, or will have more than a threshold quantity of a regulated substance in a process, as determined by 40 CFR 68.115, the permittee shall comply with the requirements of 40 CFR Part 68.
(40 CFR Part 68)

AA. Changes to Permits for Emissions Trading

No permit revision shall be required under any federally approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in this permit.
(9 VAC 5-80-110 I)

BB. Emissions Trading

Where the trading of emissions increases and decreases within the permitted facility is to occur within the context of this permit and to the extent that the regulations provide for trading such increases and decreases without a case-by-case approval of each emissions trade:

1. All terms and conditions required under 9 VAC 5-80-110, except subsection N, shall be included to determine compliance.

2. The permit shield described in 9 VAC 5-80-140 shall extend to all terms and conditions that allow such increases and decreases in emissions.

3. The owner shall meet all applicable requirements including the requirements of 9 VAC 5-80-50 through 9 VAC 5-80-300.

(9 VAC 5-80-110 I)